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CENTRAL FAX CENTER

OCT 1 5 2007

U.S.S.N. 10,656,986

Claim Amendments

Please amend claims 1, 6, 14, and 21 as follows:

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Listing of Claims

1. (currently amended) A method for exposing a blanket photoresist layer to achieve optimal photoexposure conditions to produce different non-overlapping die patterns comprising:

providing a substrate having formed thereover a photoresist layer; and

exposing within a single die region within the photoresist layer a minimum of two non-overlapping die sub-patterns while employing a minimum of two masks, each of said masks associated with one of said non-overlapping die sub-patterns, each of said non-overlapping die sub-patterns comprising a different pattern complexity, said pattern complexity including orientation and/or shape, said shape distinguished from said pattern density, each of said non-overlapping die sub-patterns subjected to a different photoexposure condition.

- 2. (original) The method of claim 1 wherein the substrate is a semiconductor substrate.
- 3. (original) The method of claim 1 wherein the substrate is a ceramic substrate.

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- 4. (original) The method of claim 1 wherein the blanket photoresist layer is formed of a positive photoresist material.
- 5. (original) The method of claim 1 wherein the blanket photoresist layer is formed of a negative photoresist material.
- 6. (currently amended) A method for exposing a photoresist layer to achieve optimal photoexposure conditions to produce different non-overlapping die patterns comprising:

providing a substrate having formed thereover a photoresist layer; and

exposing within a single die region within the photoresist layer a minimum of two non-overlapping die sub-patterns while employing a minimum of two masks and two exposure conditions, each of said masks associated with one of said non-overlapping die sub-patterns, each of said non-overlapping die sub-patterns comprising a different pattern density and a different pattern complexity, said pattern complexity including orientation and/or shape, said shape distinguished from said pattern density, each of said non-overlapping die sub-patterns subjected to a different

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 photoexposure condition.
- 7. (original) The method of claim 6 wherein the substrate is a semiconductor substrate.
- 8. (original) The method of claim 6 wherein the substrate is a ceramic substrate.
- 9. (original) The method of claim 6 wherein the photoresist layer is formed of a positive photoresist material.
- 10. (original) The method of claim 6 wherein the photoresist layer is formed of a negative photoresist material.
- 11. (previously presented) The method of claim 6 wherein the photoexposure condition includes exposure energy.
- 12. (previously presented) The method of claim 6 wherein the photoexposure condition includes depth of focus.
- 13. (previously presented) The method of claim 6 wherein the photoexposure condition includes illumination.

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14. (currently amended) A method for forming a patterned layer to achieve optimal photoexposure conditions to produce different non-overlapping die patterns comprising:

providing a substrate having formed thereover a target layer having formed thereover a photoresist layer;

exposing within a single die region within the photoresist layer a minimum of two non-overlapping die sub-patterns while employing a minimum of two masks, to form an exposed photoresist layer, each of said masks associated with one of said non-overlapping die sub-patterns, each of said non-overlapping die sub-patterns comprising a different pattern density and a different pattern complexity, said pattern complexity including orientation and/or shape, said shape distinquished from said pattern density, each of said non-overlapping die sub-patterns subjected to a different exposure condition;

developing the exposed photoresist layer to form a patterned photoresist layer; and

processing the target layer to form a processed target layer while employing the patterned photoresist layer as a mask layer.

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- 15. (previously presented) The method of claim 14 wherein the substrate is a semiconductor substrate.
- 16. (previously presented) The method of claim 14 wherein the substrate is a ceramic substrate.
- 17. (previously presented) The method of claim 14 wherein the blanket photoresist layer is formed of a positive photoresist material.
- 18. (previously presented) The method of claim 14 wherein the blanket photoresist layer is formed of a negative photoresist material.
- 19. (canceled)
- 20. (previously presented) The method of claim 14 wherein the different photoexposure condition is selected from the group including exposure energy, depth of focus and illumination.
- 21. (currently amended) The method of claim 1, wherein each of said non-overlapping die <u>sub-patterns</u> further comprises a different pattern density.